Lakefront Park Demonstration Buffer Strip



Paul H. Lord David Sanford Carl Good





Otsego Lake Association (OLA)

Thank you!



For accepting our gift



Buffer Strips

- Deep rooted plants
 - slow downhill flow
 - water & mud;
 - stabilize shoreline
 - reducing erosion
 - now evident behind seawall;
 - discourage geese;
 - grab nutrients;
 - discourage invasive plants
 - in Lake.
- 25' 40' deep

- more if particularly steep.

Ideal Pond or Lake Buffer



Pioneer Street Demonstration Buffer Strip Purpose

- Show lakeshore property owners
 - how to protect Lake
 - while enhancing aesthetics.



Pioneer Street Demonstration Buffer Strip

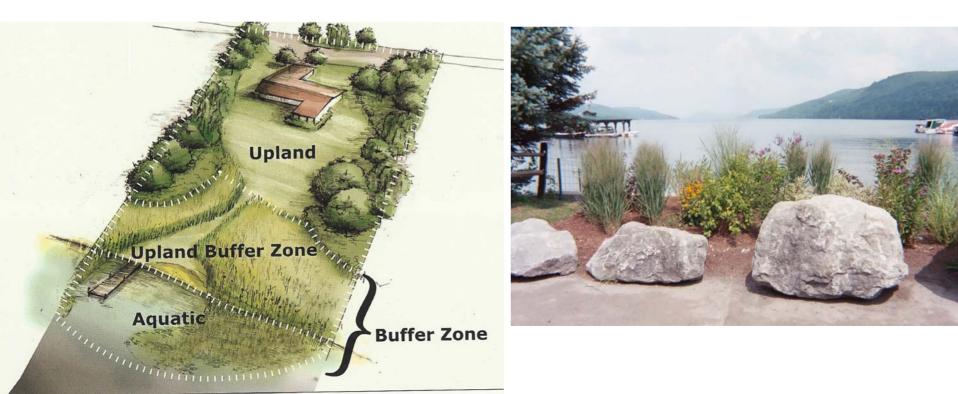
- Not yet quite functional
 - Pioneer Street storm water
 - erodes plantings
 - overlays planting
 - with street sediments
 - Seawall
 - Reflects energy back into lake
 - resuspending Lake sediments
 - » akin to motorboat resuspensions





Proposal – In 2 Parts

- OLA Actions
- Village Actions





Proposal: OLA Actions

• Further develop demonstration buffer strip

- Procure storm water filter/infiltration devices
 - capture "1st flush" sediments
 - \$4,500 committed for purchase
 - coordinate with Village
 - » POCs: Brian Clancy & Carter Coleman
- Procure clean boulders (riprap)
- Coordinate with DEC
 - on behalf of Village
 - » for installation of riprap





Proposal: Village Actions

- Select storm water devices

 with OLA
- Install storm water devices
- Clean storm water devices
- Install riprap
- Expand buffer strip



Proposal:

Village Expansion of Buffer Strip

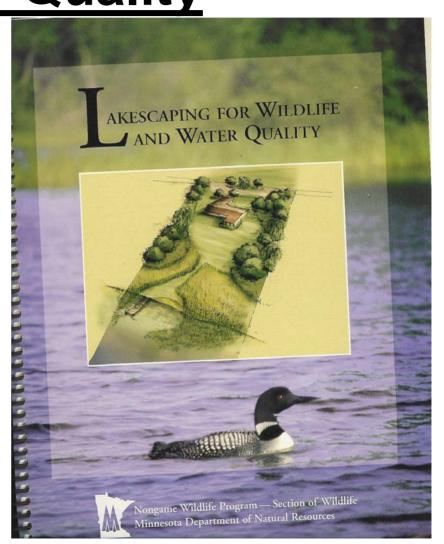
- Solicit proposals
 - Landscapers
 - Community organizations
 - for 45' lengths across Lake Front Park
- Install storm water devices
 - Fish Road &
 - Fair Street
- Using lessons learned
 from Pioneer Street



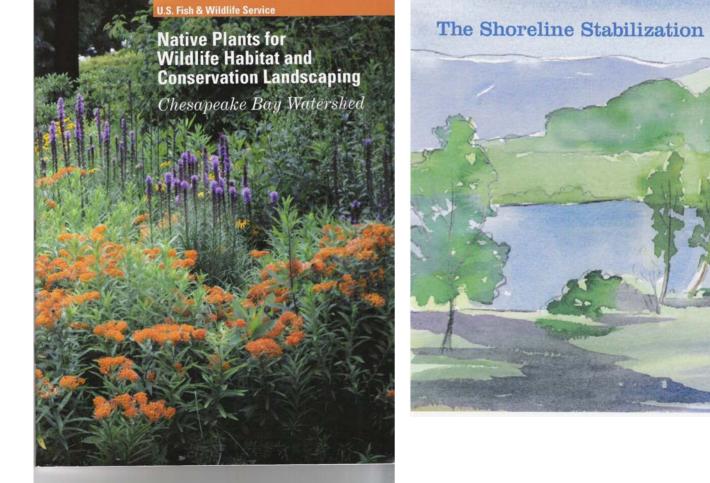
Concepts

Landscaping for Wildlife and Water Quality

- Plant list is for Minnesota
 - Not for NY



Guiding References



The Shoreline Stabilization Handbook for Lake Champlain and Other Inland Lakes

Water & Sediment Trap Documentation

Technical



New York State Stormwater Management Design Manual

October 2001

Prepared by Center for Watershed Protection 8391 Main Street Ellicott City, MD 21043

For: New York State Department of Environmental Conservation 625 Broadway Albanv, NY 12233



George E. Pataki, Governor Erin M. Crotty, Commissioner

West Brook Stormwater Mitigation Project



• Primer



Final Report

Warren County Soil and Water Conservation District 51 Elm Street, Warrensburg, NY 12885 Dave Wick, CPESC, District Manager February 3, 2004



Contact

Paul H. Lord

– 100 Sunset RidgeCooperstown, NY 13326

Phone: (607) 435-4989 (Cell)
 (607) 257-2064 (Research Ponds)
 (607) 255-1076 (Greenhouse)

- Fax: (607) 255-8088
- E-mail: lordp@usa.net

